

Title (en)  
Water-proof grommet

Title (de)  
Wasserdichte Halteöse

Title (fr)  
Manchon étanche a l'eau

Publication  
**EP 1143157 B1 20030820 (EN)**

Application  
**EP 01108415 A 20010403**

Priority  
JP 2000100861 A 20000403

Abstract (en)  
[origin: EP1143157A1] The invention has been contrived to solve problems of the prior grommets and to provide a water-proof grommet, in which insertion load can be reduced further than those of the prior grommets and the entire grommet is not moved axially irrespective of plate thickness of a member being mounted. <IMAGE>

IPC 1-7  
**F16B 37/04**; **B60R 16/02**

IPC 8 full level  
**B60R 16/02** (2006.01); **F16B 13/14** (2006.01); **F16B 37/04** (2006.01); **H02G 3/30** (2006.01); **F16B 5/02** (2006.01)

CPC (source: EP US)  
**B60R 16/0222** (2013.01 - EP US); **F16B 37/043** (2013.01 - EP US); **F16B 5/0258** (2013.01 - EP US)

Cited by  
WO2009109268A1; ES2415956R1; FR2861818A1; EP1389691A1; DE10235799A1; WO2012106570A1; WO2008033667A1

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